

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions in the instant application:

Claims 1 - 34 (Cancelled)

35. (Withdrawn) An ultrasonic cleaning device for use with an ultrasonic cleaning composition, said ultrasonic cleaning device comprising:
A hand-held vibrational ultrasonic device including an acoustic system comprising a piezo ceramic element and a sonotrode, wherein said sonotrode is chisel shaped having a width of from about 0.05 mm to about 5 mm and the length of said sonotrode is from about 10 mm to 50 mm long or said sonotrode is disc shaped and has a disc radius of from about 10 mm to about 100 mm.
36. (Withdrawn) The ultrasonic cleaning device of Claim 35 wherein said sonotrode is comprised of titanium, aluminum, steel, or combinations thereof.
37. (Withdrawn) The ultrasonic cleaning device of Claim 35 wherein said sonotrode is encased, surrounded, or in close proximity to adjunct materials used to aid in the cleaning process.
38. (New) A kit for ultrasonic cleaning, said kit comprising:
 - a) an ultrasonic cleaning composition comprising from about 0.001% to about 99% by weight of an ultrasonic cleaning agent wherein said composition is low foaming, has an inter facial tension of from about 10 mNm⁻¹ to about 0.0001 mNm⁻¹ and is substantially free of antifoaming agents; and
 - b) A hand-held vibrational ultrasonic cleaning device including an acoustic system comprising a piezo ceramic element and a sonotrode, wherein said sonotrode is chisel shaped having a width of from about 0.05 mm to about 5 mm and the length of said sonotrode is from about 10 mm to about 50 mm long or said sonotrode is disc shaped and has a disc radius of from about 10 mm to about 100 mm.
39. (New) The kit according to Claim 38 wherein said ultrasonic cleaning composition has an inter facial tension of from about 0.0001 mNm⁻¹ to about 1 mNm⁻¹.
40. (New) The kit according to Claim 38 wherein said ultrasonic cleaning agent is selected from

the group consisting of builders, surfactants, enzymes, bleach activators, bleach catalysts, bleach boosters, bleaches, alkalinity sources, antibacterial agent, colorants, perfume, lime soap dispersants, polymeric dye transfer inhibiting agents, crystal growth inhibitors, photobleaches, heavy metal ion sequestrants, anti-tarnishing agents, anti-microbial agents, anti-oxidants, anti-redeposition agents, soil release polymers, electrolytes, pH modifiers, thickeners, abrasives, metal ion salts, enzyme stabilizers, corrosion inhibitors, diamines, suds stabilizing polymers, solvents, process aids, fabric softening agents, optical brighteners, hydrotropes, and mixtures thereof.

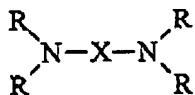
41. (New) The kit according to Claim 38 wherein said composition has a suds height of less than about 80 mm according to a suds cylinder test.
42. (New) The kit according to Claim 38 wherein said composition is in the form of a liquid, tablet, paste, gel, aerosol, microemulsion, or tricritical composition.
43. (New) The kit according to Claim 40 wherein said surfactant is selected from the group consisting of anionic, nonionic, amphoteric, cationic, zwitterionic, and mixtures thereof.
44. (New) The kit according to Claim 43 wherein said anionic surfactant is selected from the group consisting of C₆ to C₁₈ branched or linear alkyl sulfates, C₆ to C₁₈ branched or linear alkyl benzene sulfonates, C₆ to C₁₈ branched alkyl alkoxy sulfates, C₆ to C₁₈ linear alkyl alkoxy sulfates, and mixtures thereof.
45. (New) The kit according to Claim 43 wherein said nonionic surfactant is selected from the group consisting of polyhydroxy fatty acid amides, betaines, sulfobetaines, alkyl polyglycosides, alkyl ethoxylates, amine oxide, ether-capped poly(oxyalkylated) alcohols, low foaming nonionic surfactants, and mixtures thereof.
46. (New) The kit according to Claim 40 wherein said enzyme is selected from the group consisting of protease, amylases, cellulases, lipases, hemicellulases, peroxidases, gluco-amylases, cutinases, pectinases, xylanases, reductases, oxidases, phenoloxidases, lipoxygenases, ligninases, pullulanases, tannases, pentosanases, malanases, β -glucanases, arabinosidases, and mixtures thereof.

47. (New) The kit according to Claim 40 wherein said bleach is an oxygen bleach.

48. (New) The kit according to Claim 47 wherein said composition further comprises a bleach activator, bleach catalyst, and mixtures thereof.

49. (New) The kit according to Claim 40 wherein said builder is selected from the group consisting of aluminosilicates, silicates, zeolites, polycarboxylates, phosphates, polyphosphates, phosphonates, nitrilotriacetic acid, carbonates, bicarbonates, and mixtures thereof.

50. (New) The kit according to Claim 40 wherein said diamine has the formula:

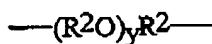


wherein each R is independently selected from the group consisting of hydrogen, C1-C4 linear or branched alkyl, and an alkyleneoxy having the formula:



wherein R2 is C2-C4 linear or branched alkylene, and mixtures thereof; R3 is hydrogen, C1-C4 alkyl, and mixtures thereof; y is from 1 to about 10; X is a unit selected from:

i) C3-C10 linear alkylene, C3-C10 branched alkylene, C3-C10 cyclic alkylene, C3-C10 branched cyclic alkylene, an alkyleneoxyalkylene having the formula:



wherein R2 and y are the same as defined herein above;

ii) C3-C10 linear, C3-C10 branched linear, C3-C10 cyclic, C3-C10 branched cyclic alkylene, C6-C10 arylene, wherein said unit comprises one or more electron donating or electron withdrawing moieties which provide said diamine with a pKa greater than about 8; and

iii) mixtures of (i) and (ii);

provided said diamine has a pKa of at least about 8.

51. (New) The kit according to Claim 38 wherein said sonotrode is comprised of titanium, aluminum, steel, or combinations thereof.

52. (New) The kit according to Claim 38 wherein said sonotrode is encased, surrounded, or in close proximity to adjunct materials used to aid in the cleaning process.

53. (New) The kit according to Claim 38 wherein said sonotrode oscillates at a frequency of from about 100 Hz to about 20,000 kHz.

54. (New) The kit according to Claim 38 further comprising a cleaning head wherein the power output per unit of surface area of said cleaning head is at least about 0.02 watts/cm².

55. (New) The kit according to Claim 38 wherein said ultrasonic cleaning device is battery-operated.

56. (New) The kit according to Claim 38 wherein the treatment time is from about 1 second to about 5 minutes.